

Figure 1. Modified phage RNAPs fail to terminate at the PTH signal.

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Plasmid	G:C	Σ	e ¢	· · · · · · · · · · · · · · · · · · ·
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	N:N	Σ	9	
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	Z.Z	Σ	2	
		₹	-	
Template	3'-termini	Enzyme type	Lane	•

Figure 2. Modified T7 RNAP allows increased production of transcripts on templates with G:C-rich ends.

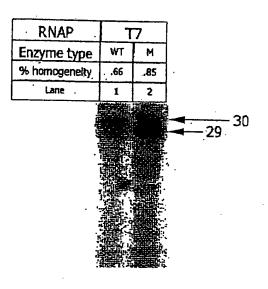


Figure 3. RNAs produced by modified T7 RNAP have more homogeneous 3'- ends.

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		aberrant	products	Expected	111 111 107	
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Σ	5, 3,	1 2		· · · · ·		震
Enzyme type	Protruding Termini	Lane				
	End	GGGCCC -3, CCCGGG -5,	GGGCCC -3'	GGTACC -3' CCATGG -5'	GGTACC -3' CCATGG -5'	
	Enzyme	Bsp1201	ApaI	Acc65I	KpnI	
	Lane	1,3	2,4	2,7	8′9	

Figure 4. Use of modified T7 RNAP results in decreased synthesis of aberrant products on templates with protruding 3'- ends.

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